

From wd5ivd@tapr.org Sun Dec 08 13:43:43 1996
Received: from [208.134.134.42] ([208.134.134.42]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id NAA26303; Sun, 8 Dec 1996 13:43:39 -0600 (CST)
Message-Id: <v03007803aed0c2ddecd6@[208.134.134.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 8 Dec 1996 13:15:41 -0600
To: "APRS SIG list mailing"<aprssig@tapr.org>,
"TAPR-BB list mailing"<tapr-bb@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: Update on GPS-20 Purchase

For those on the current TAPR GPS-20 group purchase.

TAPR currently has 50 units on order. 75 are required to place the order
for 100 units with Garmin.

Full details:
<http://www.tapr.org/gps/index.html>

Tucson Amateur Packet Radio
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org web: <http://www.tapr.org/tapr>

Greg Jones, WD5IVD
Austin, Texas
wd5ivd@tapr.org
<http://www.tapr.org/~wd5ivd>

From wd5ivd@tapr.org Sun Dec 08 14:57:50 1996
Received: from [208.134.134.42] ([208.134.134.42]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id OAA29764 for <tapr-bb@tapr.org>; Sun, 8 Dec 1996 14:57:48 -0600
(CST)
Message-Id: <v0300781baed0d8f81fc4@[208.134.134.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 8 Dec 1996 15:03:22 -0600
To: "TAPR-BB list mailing"<tapr-bb@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: TAPR Update

PC-DSP and PC-SIM for Windows TAPR Group Purchase
The purchase only need 2 (two) more people involved to complete. This is a
super package.

Check out: <http://www.tapr.org/tapr/html/dsp93.pcdsp.html>

====

Several changes have happened on the TAPR SIG Web Page. The main addition has been the ability to change digest mode on or off for every group.

Check out: <http://www.tapr.org/tapr/html/sigs.html#listserv>

====

The TAC-2 Project has a web page on-line which shows the Alpha-1 board and discusses the project.

Check out: <http://www.tapr.org/tapr/html/tac2.html>

====

The office has Trakbox units in stock. We expect to have about 30 TrakBox units available between now and Dayton.

Check out: <http://www.tapr.org/tapr/html/trakbox.html>

====

The 1996 TAPR CD-ROM is sold out. TAPR is taking orders for the 1997 TAPR CD-ROM, which is under construction now. Has several major improvements under development. The price is not changing in 1997.

Check out: <http://www.tapr.org/tapr/html/cdrom.html>

====

Wireless Digital Communications: Design and Theory by: Tom McDermott, N5EG is at the binders at this time. An announcement will be sent out when books arrive at office and start shipping out.

Check out: <http://www.tapr.org/tapr/html/pub.wdcdat.html>

====

The new TAPR Mug has been going quick. Another order is being placed to handle the demand.

Check out: <http://www.tapr.org/tapr/html/taprmug.html>

Tucson Amateur Packet Radio
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org web: http://www.tapr.org

From wd5ivd@tapr.org Sun Dec 08 17:33:31 1996
Received: from [208.134.134.42] ([208.134.134.42]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id RAA06715; Sun, 8 Dec 1996 17:33:23 -0600 (CST)
Message-Id: <v0300780daed0ff1f193f@[208.134.134.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 8 Dec 1996 17:39:11 -0600
To: "TAPR APRS SIG" <aprssig@tapr.org>,
"TAPR-BB list mailing" <tapr-bb@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: A few MIC-E Beta Spots Open

TAPR has room for a few additional beta-testers in the MIC-E beta test.

Submit an application using the MIC-E Beta Application, which can be found on:

<http://www.tapr.org/tapr/html/mic-e.html>

TAPR is only taking applications until Wed Dec 11th (5pm).

Anyone wanting to participate in these beta slots will have to pay with the TAPR office by Visa/Mc ***once notified of being accepted*** by Friday (Dec 13th).

Do not call the TAPR office about the Beta spots until notified.

We will send out messages to everyone who submits an application by Thursday.

Tucson Amateur Packet Radio
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org web: http://www.tapr.org/tapr

From wd5ivd@tapr.org Mon Dec 16 16:10:15 1996
Received: from [208.134.134.42] ([208.134.134.42]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id QAA07840; Mon, 16 Dec 1996 16:10:13 -0600 (CST)
Message-Id: <v03007804aedb7972789d@[208.134.134.42]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Date: Mon, 16 Dec 1996 16:12:49 -0600
To: "TAPR-BB list mailing" <tapr-bb@tapr.org>, " NetCode " <netcode@tapr.org>,
regional_freq@tapr.org
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: North American Digital System Directory

North American Digital System Directory

The Tucson Amateur Packet Radio Corporation (TAPR), with the support of the American Radio Relay League (ARRL), will begin providing at the TAPR Internet site the information on digital systems that until now has been printed in the annual ARRL Repeater Directory. Information on digital systems will not be published in the 1997-98 edition of the Repeater Directory, permitting the publication to better focus on its primary use as a guide to voice repeaters for traveling Amateurs.

In planning the 1997-98 edition, the ARRL concluded that the Repeater Directory was no longer the most effective medium for this information. Discussions involving various regional digital groups that provide data to the digital section of the Repeater Directory led to the conclusion that TAPR was the logical group to take on the task of a new North American Digital System Directory.

This new database system will describe systems used by amateur radio stations involved in digital communications in the United States, Canada, and Mexico. The Digital System Directory will be based on information provided by regional, state, and local organizations as well as individuals in a nearly real-time format. This should allow information to be maintained and updated more frequently than in a yearly publication. TAPR will also work with participating organizations to make this information available on TAPR's yearly CD-ROM as well as some future publication for local/regional groups to distribute.

The purpose of the Digital System Directory is not to manage, coordinate, or regulate the usage of digital systems, but to provide the most up to date and accurate listing of digital systems that can be provided. Neither is it a formal organization, but a mechanism to allow regional groups to provide and share information regarding digital systems.

The Digital System Directory is intended for use by individuals to further their enjoyment of the hobby and by organizations to help plan and develop digital networks.

Regional/Local groups including TwinsLAN, Texas Packet Radio Society, Miami Valley FM Association, Ohio Area Repeater Council, Puget Sound AR TCP/IP Group, Northern California Packet Association, Northern Illinois Packet Radio Frequency Council, Indiana Digital Experimenters Association, Central Lakeshore Experimenter's Digital Organization, HogNet Packet Radio Association, YCCC Sysops Association, and the Missouri Amateur Packet Radio Society have already begun to participate in the process. TAPR encourages other regional groups to support this project by contributing data from their respective areas.

For further information on the project and how to get involved, regional groups should check <http://www.tapr.org/directory> or send e-mail to Carl Estey, wa0cqg@tapr.org

Released on: 12-16-96
by: TAPR and ARRL

From wd5ivd@tapr.org Tue Dec 17 10:34:08 1996
Received: (from wd5ivd@localhost) by tapr.org (8.7.5/8.7.3/1.9) id KAA10312; Tue, 17 Dec 1996 10:34:07 -0600 (CST)
From: Greg Jones <wd5ivd@tapr.org>
Message-Id: <199612171634.KAA10312@tapr.org>
Subject: Update on NADSD Directory
To: tapr-bb@tapr.org (TAPR-BB mailing), regional_freq@tapr.org,
 billwa6itf@aol.com (Bill Pasternak),
 lenwink@indirect.com (Len Winkler),
 mbohnhof@pop.wwwa.com (Mark T. Bohnhoff),
 tapr-board@tapr.org (TAPR Board), wo5h@tapr.org (Dave Wolf TCET),
 hholly@ais.net (Hap Holly)
Date: Tue, 17 Dec 1996 10:34:06 -0600 (CST)
X-Mailer: ELM [version 2.4 PL25]
Content-Type: text

Just as a fill to the recent announcement regarding the NADSD.

The creation of the NADSD was in response to the ARRL announcing that they were dropping the digital listing from the upcoming Repeater Directory.

It seems that some are reading the announcement in such a way as to infer that TAPR had something to do with the ARRL making the decision to drop the digital listing from the Repeater Directory. This was not the case. TAPR responded to the call from several regional groups, once the announcement was made by the ARRL as to their plans, and the on-line directory concept was created and moved to closure.

If you have digital information that would be useful in the North American Digital Systems Directory, please check <http://www.tapr.org/directory>

Cheers - Greg Jones, WD5IVD
President, TAPR

From wd5ivd@tapr.org Sun Dec 22 02:39:41 1996
Received: from [208.134.134.42] ([208.134.134.42]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id CAA01002; Sun, 22 Dec 1996 02:39:19 -0600 (CST)
Message-Id: <v0300783daee2a2d4daae@[208.134.134.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 22 Dec 1996 02:44:22 -0600
To: "TAPR-BB list mailing" <tapr-bb@tapr.org>,
 " Spread Spectrum " <ss@tapr.org>,

"TAPR Spread Sprctrum" <ss-sta@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: TAPR SS STA Application Available

TAPR SS STA Application On-Line

TAPR requested a Special Temporary Authority ('STA') to conduct an experimental program to test spread spectrum emissions over amateur radio facilities on April 10, 1996. On November 6, 1996, the Federal Communications Commission Wireless Telecommunications Bureau granted the TAPR request for an STA.

TAPR is making an application for participation in the STA available for any member of TAPR to use. The URL is: http://www.tapr.org/ss/tapr_sta.html

Please note that all areas of the application must be filled out. These will be reviewed by the STA holders and a committee within TAPR. The more detail you can provide in the general answer areas the better.

The STA holders reserve the right to add individuals to or remove individuals from the STA at anytime. The application will be used in order to determine eligibility in the STA as well as provide information to the database and final report of the STA.

Responsibilities of STA stations:

- * Stations will be required to maintain the highest standards in operational practices.
- * Stations will be required to submit a report before the end of the STA that will be used in the final report.
- * Stations must have a dependable Internet e-mail service so that information and discussion regarding the STA can be held.
- * Stations must hold at least a Technician Class license
- * Stations must be aware that any transmissions conducted pursuant to the requested STA will be secondary in nature, and must cease immediately in the event of harmful interference.
- * Participants must be a current member of TAPR.

For more information on TAPR check <http://www.tapr.org>

For more information on TAPR SS information check <http://www.tapr.org/ss>

Tucson Amateur Packet Radio

8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

e-mail: TAPR@TAPR.ORG ftp: [ftp.tapr.org](ftp://ftp.tapr.org) web: <http://www.tapr.org>

From wd5ivd@tapr.org Sun Dec 22 03:33:41 1996
Received: from [208.134.134.42] ([208.134.134.42]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id DAA02689; Sun, 22 Dec 1996 03:33:40 -0600 (CST)
Message-Id: <v0300783eae2ad595420@[208.134.134.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Date: Sun, 22 Dec 1996 03:39:41 -0600
To: "TAPR-BB list mailing" <tapr-bb@tapr.org>,
" Spread Spectrum " <ss@tapr.org>,
"TAPR Spread Sprctrum" <ss-sta@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: TAPR Group Purchases on Freewave radios

TAPR Group Purchases on Freewave radios

URL: <http://www.tapr.org/ss>

TAPR has worked an agreement with FreeWave Technologies, Inc. of Boulder, CO to make there 902-928Mhz 115Kbps radio available to the amateur radio community. This is an exciting deal and TAPR hopes to be make other High-Speed SS radios available to amateur radio operators in the future.

TAPR will be taking orders in batches of 50+ units and will try to make a buy at the end of each month, until such time as members no longer require radios.

These units will be useful under the current TAPR SS STA (http://www.tapr.org/ss/tapr_sta.html). These radios can be used under part 15 rules after the TAPR SS STA expires or the amateur rules do not change significantly enough for their use under Part 97 in the future.

Profits made from these group buys will be used to fund future TAPR projects and to pay past and future TAPR regulatory efforts.

Technical Specifications:

- * Freewave DGR-115 spread spectrum transceivers
- * Frequency hopping spread spectrum
- * Uncompressed data rates of 115.2 KBaud (serial) 173kbaud on radio
- * Distances of 20 miles or more
- * 1 Watt output power
- * Bandpass Filter
- * All transceivers are assigned a unique electronic serial number
- * -40=9F C to +60=9F C temp range

See <http://www.tapr.org/ss/freewave.html> for full details and price.

Tucson Amateur Packet Radio

8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org web: http://www.tapr.org

From wd5ivd@tapr.org Sun Dec 22 03:42:15 1996
Received: from [208.134.134.42] ([208.134.134.42]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id DAA02971 for <tapr-bb@tapr.org>; Sun, 22 Dec 1996 03:42:14 -0600
(CST)
Message-Id: <v03007841aee2b30fabf5@[208.134.134.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 22 Dec 1996 03:48:22 -0600
To: "TAPR-BB list mailing" <tapr-bb@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: Wireless Digital Communications: Design and Theory

Wireless Digital Communications: Design and Theory

*** NOW AVAILABLE AT THE TAPR OFFICE ***

We just got the books and they look GREAT!

Wireless Digital Communications: Design and Theory
Tom McDermott, N5EG
334 pages.
ISBN: 0-9644707-2-1
Includes a 3.5" DSDD Disk containing programs used in book

<http://www.tapr.org/tapr/html/pub.wdcdat.html>

Preface

Amateur radio communication has progressed in many ways since its beginning in the early 1900's. General communications progressing from spark to CW and voice from AM to FM and SSB. Similarly, data communications as a mode of amateur communications has progressed from using on-off keying (OOK) to FSK, and from RTTY to more modern modes of communications (synchronous and error-correcting). There has been a lack of good technical background material in amateur radio literature on the principles and design of synchronous digital modems.

The wealth and quality of literature in the professional world in the subject area is astounding, but much of it may not be readily accessible to the radio amateur, whether for reasons of advanced mathematics, or simple lack of availability.

In writing this book, the aim has been to bring a concise group of topics covering a broad spectrum of amateur synchronous digital communications subjects to print in one place, and to make it readily accessible to the

radio amateur. This text aims to present the information in a clear and straight-forward manner, with the maximum use of graphical and computer-assisted aids, and with a minimum of rigorous mathematical theory. However, digital communications deals with the application and solution of statistical phenomenon, and a minimum background is necessary. Where practical, the appendices provide short summaries of some of the important mathematical concepts that will be needed in understanding certain areas.

Overall, the field of digital communications could be generally broken into two categories: bandwidth-limited communications and power-limited communications. Much of the professional literature focuses on the former, while in practice the amateur is many times concerned with the latter. This text focuses more on the subject of power-limited communications and emphasizes, through examples, the circuits and problems of the latter category of applications.

With time and the increasingly more crowded HF bands, however, the radio amateur will adopt more sophisticated data modems, offering higher throughput and narrower bandwidth operation under the demanding propagation conditions of the HF medium. This trend has already started and should accelerate as the cost of technology, particularly Digital Signal Processing, continues to decrease. So, this text includes information on the subject areas of DSP-based modem filters, and on forward-error-correcting codes, whose use by the radio amateur will become dominant within a few short years. While the data rate of VHF and UHF communications will increase, it is expected that, for the radio amateur, these will remain power-limited applications for some time.

In the preparation of this text, I have relied on the study of a number of exceptionally well written textbooks, and to the IEEE literature in the area, and these should be consulted whenever more depth or broader interest is desired. I would like to thank the reviewers of the text for many helpful comments, related both to the readability of the material, ...

(more in the book!)

Thomas C. McDermott, N5EG

Dallas, Texas August 25, 1995

Tucson Amateur Packet Radio

8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org web: http://www.tapr.org

From wd5ivd@tapr.org Tue Dec 24 19:26:43 1996

Received: from [129.120.111.42] (knezek2.coe.unt.edu [129.120.111.42]) by tapr.org

(8.7.5/8.7.3/1.9) with ESMTP id TAA00906; Tue, 24 Dec 1996 19:26:39 -0600 (CST)
Message-Id: <v0300780aeee632f4b207@[129.120.111.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 24 Dec 1996 19:26:53 -0600
To: "TAPR-BB list mailing"<tapr-bb@tapr.org>
From: wd5ivd@tapr.org
Subject: FCC Delays New RF-Exposure Rules

FCC Delays New RF-Exposure Rules

The FCC has postponed for one year, until January 1, 1998, the date for hams to comply with its new RF-exposure regulations. The ARRL was among those requesting the delay this fall. The League said that the additional time was needed for the FCC to draft implementation guidelines that amateurs could use to help them comply with the regulations--released on August 1, 1996 as ET Docket 93-62. Among other things, the regulations would require hams running 50 W PEP or more to conduct "routine RF radiation evaluations" to determine if RF fields were sufficient to cause human exposure to RF radiation levels in excess of those specified in the proposed regulations. The ARRL also has asked the FCC to reconsider the 50-W threshold, but the FCC report (DC 96-112) extending the compliance deadline did not address that issue.

The FCC announcement--which the ARRL obtained just before noon on Christmas Eve--noted that more time would be needed for affected licensees to determine that they comply with the new requirements. The extension also will allow required changes to Amateur Radio operator examinations to be made at the time other, routine revisions are made between now and July 1, 1998. In announcing the extension, the FCC said it disagreed with those petitioners who suggested that the time extension "will have significant adverse effects on public health."

Since the FCC announced the RF-exposure regulations, the ARRL has worked with technically knowledgeable volunteers to assist the staff, the RF Safety Committee and the FCC in coming up with a workable ham radio approach toward RF safety. ARRL Laboratory Supervisor Ed Hare, KA1CV--the ARRL HQ liaison to the ARRL RF Safety Committee--has spearheaded the ARRL's effort. "The ARRL is very pleased that the FCC extended the compliance date," Hare said. "As all parties involved tried to fully understand the new requirements, it soon became obvious that neither the FCC nor the ham radio community was ready for the January 1, 1997, implementation deadline."

Hare said the delay will give both the FCC and hams more time to better understand the implications of the rules and will give hams an opportunity to evaluate their stations as the regulations will require (see "The FCC's New RF-Exposure Regulations," QST, Jan 1997, p 47).

The entire text of Report DC 96-112 may be found on the ARRLWeb at <http://www.arrl.org/fcc/dc96-112.html> (or click on What's New or RF Safety News). See Happenings in February QST for additional information.

--

From wd5ivd@tapr.org Tue Dec 24 22:01:48 1996
Received: from [129.120.111.42] (knezek2.coe.unt.edu [129.120.111.42]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id WAA06649 for <tapr-bb@tapr.org>; Tue, 24 Dec 1996
22:01:45 -0600 (CST)
Message-Id: <v0300780eae656620a05@[129.120.111.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 24 Dec 1996 22:04:11 -0600
To: "TAPR-BB list mailing"<tapr-bb@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: TAPR's new Club Call: KT7APR

TAPR would like to announce its new club call:

KT7APR

Paul Newland, AD7I, is currently trustee of the call.

I would like to thank Paul Newland, AD7I, and Bob Nielsen, W6SWE, for their
work on this project. The process began shortly after Dayton and we are
all glad to have the new club callsign.

TAPR wishes everyone the very best during these holidays.

Cheers - Greg Jones, WD5IVD

Tucson Amateur Packet Radio
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org web: http://www.tapr.org

From wd5ivd@tapr.org Wed Dec 25 03:44:19 1996
Received: from [129.120.111.42] (knezek2.coe.unt.edu [129.120.111.42]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id DAA24629; Wed, 25 Dec 1996 03:44:09 -0600 (CST)
Message-Id: <v03007801aee6a60c58bd@[129.120.111.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 25 Dec 1996 03:37:52 -0600
To: "TAPR-BB list mailing"<tapr-bb@tapr.org>,
"AMSAT BB Mail Group "<amsat-bb@amsat.org>
From: wd5ivd@tapr.org
Subject: FCC extends transition period for RF environmental effects

FCC EXTENDS TRANSITION PERIOD FOR DETERMINING COMPLIANCE WITH
NEW REQUIREMENTS FOR EVALUATING THE
ENVIRONMENTAL EFFECTS OF RF ELECTROMAGNETIC FIELDS
FROM FCC-REGULATED TRANSMITTERS
(ET DOCKET NO. 93-62)

The Commission has amended its rules to extend the transition period for applicants and station licensees to determine compliance with the new requirements for evaluating the environmental effects of radiofrequency (RF) electromagnetic fields from FCC-regulated transmitters.

In 1985, the Commission adopted rules for evaluating the environmental effects of RF electromagnetic fields produced by FCC-regulated transmitters. In August 1996, the Commission amended those rules by provided for the use of new guidelines and methods, and established a transition period, until January 1, 1997, for applicants and stations to come into compliance with the new requirements.

The American Radio Relay League, Inc., Ameritech Mobile Communications, Inc., AT&T Wireless Services, Inc., BellSouth Corporation, Paging Network, Inc., the Personal Communications Industry Association and U S West filed petitions asking the Commission to extend the transition period beyond January 1, 1997, arguing that the existing transition period failed to provide adequate time for affected parties to achieve compliance with the new rules.

The Commission stated that, based on the petitions and comments, it is clear that most station applicants will need additional time to determine that they comply with the new requirements. The Commission noted that an extension of the transition period would: 1) eliminate the need for the filing and granting of individual waiver requests; 2) allow time for applicants and licensees to review the results of the decisions that will be taken in the near future addressing other issues raised in petitions; and 3) permit applicants to review a revised information bulletin and make the necessary measurements or calculations to determine that they are in compliance.

The Commission indicated that it did not concur with petitioners who suggest that granting any extension of the transition period will have significant adverse effects on public health.

Therefore, the Commission has extended the transition period to September 1, 1997, for most radio services. For the Amateur Radio Service, the transition period has been extended to January 1, 1998. Additionally, the Commission will allow changes to amateur radio operator license examinations to be made as the examinations are routinely revised between now and July 1, 1998. The Commission believes that these extensions are necessary so

that applicants and licensees will have adequate time to understand the new requirements and to ensure that their facilities are in compliance with them.

Action by the Commission December 23, 1996, by First Memorandum Opinion and Order (FCC 96-487). Chairman Hundt, Commissioners Quello, Ness, and Chong.

-FCC-

News Media contact: Patricia A. Chew at (202) 418-0500.

Office of Engineering and Technology contact: Rick Engelman at (202) 418-2445 and Robert Cleveland (202) 418-2422.

--

~~~~~  
Dewayne Hendricks, WA8DZP ! Internet: dewayne@warpspeed.com  
~~~~~